

ABSTRACT

An optical head having a laser source of beams at an input end and image forming beams at an output end and a plurality of optical components arranged along the beams between the input and output ends to obtain an image on a photosensitive printing plate from the beams. The optical components include reflecting surfaces adapted to fold the beams several times between the input and output ends times in such a way as to reduce the width and height of the optical head. The folded beams are located in a plurality of parallel surfaces perpendicular to the image formed on the photosensitive printing plate. The optical head further includes optical components adapted to adjust the width, location, orientation and intensity of the image from the beams.

M2:20569222.01